

AMENDMENTS TO THE CLAIMS

Please cancel claims 20-28, 31-41, and 49 and amend claims 6, 7, 9-14, 16-18, and 42-49, such that the status of the claims is as follows:

1. **(Previously Presented)** A visual display to interact with electromagnetic waves by changing optical aspect in selected areas in response to an external signal, the visual display comprising:

- a plurality of optically anisotropic responsive elements, wherein the responsive elements are optically anisotropic pertaining to a visible light, each responsive element capable of presenting at least two different optical aspects and changing between the optical aspects based on an applied external signal;
- a support substrate containing the responsive elements, the support substrate having a surface structure which defines receiving positions for the responsive elements; and
- an array of transparent lenses, at least a part of each lens being in direct contact with a receiving position on the surface structure of the support substrate such that the receiving position at least in part inherently defines the lens shape and location.

2. **(Previously Presented)** The visual display of claim 1, wherein the support substrate has two major sides, one major side being opaque.

3. **(Previously Presented)** The visual display of claim 1, wherein the external signal is an electromagnetic field.

4. **(Previously Presented)** The visual display of claim 1, wherein the responsive elements are rotating particles.

5. **(Previously Presented)** The visual display of claim 4, wherein the particles are spheroid balls.
6. **(Currently Amended)** The visual display of claim 1, wherein the support substrate is three-dimensionally micro-fabricated.
7. **(Currently Amended)** The visual display ~~according to~~ of claim 1, wherein each lens is a converging lens.
8. **(Previously Presented)** The visual display of claim 7, wherein:
 - each lens has a focal length and each responsive element has a portion imparting a visual aspect, the portion being substantially positioned within the focal length from the associated lens.
9. **(Currently Amended)** The visual display ~~according to~~ of claim 1, wherein:
 - each lens has a perimeter edge, the edge being in direct contact with ~~the~~ a top perimeter edge of the associated receiving position.
10. **(Currently Amended)** The visual display ~~according to~~ of claim 1, wherein:
 - the lens array is formed using a lens-forming film laid across the support substrate after the responsive elements are placed into the support substrate.
11. **(Currently Amended)** The visual display ~~according to~~ of claim 10, wherein the lens-forming film fluidly directly seals the responsive elements within the substrate.
12. **(Currently Amended)** The visual display of claim 1, wherein each lens enlarges an image of at least a portion of the responsive element or elements positioned below the lens by refracting the light reflected therefrom.

13. **(Currently Amended)** A ~~structure~~ visual display to interact with electromagnetic waves by changing optical aspect in selected areas in response to an external signal, the structure comprising:

- a plurality of optically anisotropic responsive elements, each responsive element capable of presenting at least two different optical aspects and changing between the optical aspects based on an applied external source;
 - a support substrate containing the responsive elements, the support substrate having a surface structure which ~~define~~ defines receiving positions for the responsive elements; and
 - an array of transparent lenses at least a part of each lens being in direct contact with a receiving position on the surface structure of the support substrate such that the receiving position at least in part inherently defines the lens shape and location[[],];
- wherein the support substrate has two major sides, one major side being opaque.

14. **(Currently Amended)** The ~~structure~~ visual display of claim 13, wherein the opaque side of the support substrate comprises an opaque cover plate bonded to the rest of the support [[the]] substrate.

15. **(Previously Presented)** The visual display of claim 1, wherein each receiving position contains only one responsive element.

16. **(Currently Amended)** The visual display of claim 1, further comprising a filler material at least partially surrounding each ~~particle~~ responsive element.

17. **(Currently Amended)** The visual display of claim 16, wherein:

- the filler material exerts a force on the ~~particles~~ responsive elements, the force being sufficient to keep the ~~particles~~ responsive elements bistable but

not excessive as to prevent the ~~particles~~ responsive elements from ~~[[a]]~~
rotating upon the application of ~~the~~ an electromagnetic field.

18. **(Currently Amended)** The visual display of claim 1, further comprising a top cover laid across the ~~supporting structure~~ support substrate and the responsive element contained therein, the top cover being transparent and non-reflective.

19-41. **(Canceled)**

42. **(Currently Amended)** The visual display of claim ~~[[1]]~~ 2, wherein the opaque side of the support substrate comprises an opaque cover plate bonded to the rest of the support ~~[[the]]~~ substrate.

43. **(Currently Amended)** The ~~structure~~ visual display of claim 13, wherein the responsive elements are rotating particles.

44. **(Currently Amended)** The ~~structure~~ visual display of claim 13, wherein each lens is a converging lens.

45. **(Currently Amended)** The ~~structure-visual display~~ of claim 44, wherein:
each lens has a focal length and each responsive element has a portion
imparting a visual aspect, the portion being substantially positioned
within the focal length from the associated lens.

46. **(Currently Amended)** The ~~structure-according to~~ visual display of claim 13, wherein:
each lens has a perimeter edge, the edge being in direct contact with ~~[[the]]~~ a
top perimeter edge of the associated receiving position.

47. **(Currently Amended)** The ~~structure-according to~~ visual display of claim 13, wherein:

the lens array is formed using a lens-forming film laid across the substrate
after the responsive elements are placed into the support substrate.

48. **(Currently Amended)** The ~~structure~~-visual display of claim 13, wherein each lens enlarges an image of at least a portion of the responsive element or elements positioned below the lens by refracting [[the]] light reflected therefrom.

49. **(Canceled)**